ELSEVIER

Soil & Tillage Research 34 (1995) 295–296

Soil & Tillage Research

Contents of *Soil & Tillage Research*, Volume 34

VOL. 34 NO. 1 — APRIL 1995

Tillage terminology 1

Effects of deep tillage on dryland production of redgram (*Cajanus cajan* L.) in Central India
H.C. Nitant and P. Singh (Datia, India) 17

A portable micro-penetrometer for measuring seed row compaction
L. Chi and S. Tessier (Québec, Que., Canada) 27

Tillage-induced seasonal changes in soil physical properties affecting soil CO_2 evolution under intensive cropping
A.J. Franzluebbers, F.M. Hons and D.A. Zuberer (College Station, TX, USA) 41

Seedling emergence as influenced by aggregate size, bulk density, and penetration resistance of the seedbed
H.M. Nasr (Giza, Egypt) and F. Selles (Swift Current, Sask., Canada) 61

Erratum 77

VOL. 34 NO. 2 — MAY 1995

Stubble retention and nitrogen fertilisation in a fallow–wheat rainfed cropping system. 1. Soil water and nitrogen conservation, crop growth and yield
C. Cantero-Martinez, G.J. O'Leary and D.J. Connor (Parkville, Vic., Australia) 79

A method to predict bulk density of tilled Ap horizons
T.G. Reinsch and R.B. Grossman (Lincoln, NE, USA) 95

Strength characteristics of a potentially hardsetting soil under pasture and conventional tillage in the semi-arid region of Australia
K.Y. Chan (Rydalmere, N.S.W., Australia) 105

Effect of plant residue and fertilizer on grain yield of dryland rice under reduced tillage cultivation
H. Singh and K.P. Singh (Varanasi, India) 115

Evaluation of performance of furrow openers of combined seed and fertiliser drills
D.P. Darmora (Durgapura, India) and K.P. Pandey (Kharagpur, India) 127

Letters to the Editor 141

VOL. 34 NO. 3 — JUNE 1995

Yield and nitrogen uptake of monocropped maize from a long-term tillage experiment on a poorly drained soil
T.K. Iragavarapu and G.W. Randall (Waseca, MN, USA) 145

A modified model to predict soil cutting resistance
J. Zhang and R.L. Kushwaha (Saskatoon, Sask., Canada) 157
Direct drilling of sugar beet (*Beta vulgaris* L.) into a cover crop: effects on soil physical conditions and crop establishment
G. Richard, J. Boiffin and Y. Duval (Laon, France) 169
Mapping a three-dimensional soil surface with hand-held 35 mm photography
W.S. Warner (Ås, Norway) 187

Short communication
Testing the goodness of fit of infiltration models for highly permeable soils under different tropical soil management systems
J.S.C. Mbagwu (Nsukka, Nigeria) 199

Book review
Agricultural engineering yearbook 207

VOL. 34 NO. 4 JULY 1995

The structure of two alluvial soils in Italy after 10 years of conventional and minimum tillage
M. Pagliai (Firenze, Italy), M. Raglione (Rieti, Italy), T. Panini, M. Maletta (Firenze, Italy) and M. La Marca (Pisa, Italy) 209
Conservation tillage systems, fungal complexes and disease development in soybean and barley rhizospheres in Prince Edward Island
A.V. Sturz and M.R. Carter (Charlottetown, P.E.I., Canada) 225

ISTRO-INFO 239

Reading table 283

Letters to the Editor 289

Author Index 297